MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE

DOMINION OF CANADA

JUNE 1933

TEMPERATURE

During June the temperature averaged higher than normal over southern Canada except in British Columbia, the Peace River District in Alberta and the region of the Gulf of the St. Lawrence. In northern Canada the temperatures averaged lower than the normal.

The excess was four to eight degrees over the greater part of the grain region in Manitoba, Saskatchewan and southeastern Alberta. In central Alberta the excess was generally one to three degrees while in the Peace River district there was a deficiency of one and a half degrees. In British Columbia there was a deficiency in the interior of four to five degrees although on the southern coast line the deficiency was small.

In Ontario the excess was three to four degrees for the most part. In the vicinity of the Lake of the Woods and in southern Algoma the excess was five to seven degrees while on the slopes descending to James Bay there was a small deficiency.

In Quebec the Upper St. Maurice valley had an excess of about one degree and the Saguenay valley of one or two degrees, while along the middle St. Lawrence the excess was three degrees or more. Below Quebec the excess diminished while in the gulf there was a deficiency of one to three degrees.

In the Atlantic provinces the excess was generally about one degree with a few points reporting two or three degrees.

The deficiency in the northwest increased from one degree at Great Slave Lake to five degrees or more in the northern Yukon and the Mackenzie delta.

In the northeastern districts the deficiency increased from three degrees at Chesterfield Inlet to five or six degrees in Hudson Straits.

PRECIPITATION

In British Columbia the month was generally cool and showery although a hot spell about the middle of the month caused river flooding in the Kootenay region. On parts of Vancouver Island, on the north coast, the upper Fraser valley and locally in the East Kootenay rainfall was in excess of normal. Elsewhere there was a moderate deficiency.

In Alberta there was a large deficiency in the extreme southwest, where only one third of the normal rainfall occurred. In the east central portion of the grain region about one half was recorded. In the extreme south-east some districts had normal rainfall or more. In the upper Red Deer valleys there was a considerable excess, while the north Saskatchewan valley and the upper Peace and Athabasca had normal rainfall or moderate excess.

In Saskatchewan the region south of Battleford and Prince Albert but north of Scott and Saskatoon had less than two inches of rain. The normal June amount in this region is between two and two and a half inches. A similar condition existed in a small area in the extreme southeastern townships. Over most of the remainder of the grain region in Saskatchewan from two to more than four inches fell. Although there was moderate to large excess over most of the extreme southern and the extreme northeastern districts, the region from Saskatoon to the main line of the C.P.R. averaged not much more than two and one half inches, where the normal amount is slightly more than three inches.

In Manitoba there was a general deficiency of rainfall. Most districts reported not more than one third of the normal amount. A few places in the western districts reported nearly normal rainfall but some in the extreme south had less than one fifth.

In Ontario there were very few exceptions to a general deficiency. From Lake Superior to the Lake of the Woods the deficiency averaged about twenty per cent. In Sudbury, Temiskaming and Algoma from one half to two thirds of the normal rainfall occurred, except at Moosonee on James Bay, where there was a large excess. In the upper Ottawa River valley rainfall was nearly normal on the Quebec side but deficient on the Ontario side. In the lower Ottawa valley not much more than one third of the normal amount was recorded. In some parts of the Georgian Bay counties and the central eastern counties rainfall was normal or slightly in excess. Over most of southwestern Ontario the rainfall was only thirty-five to sixty per cent. of the normal amount although thunderstorms caused exceptions in a few districts.

In Quebec rainfall was very unevenly distributed. Over most of the extreme southwest there was only one third to one half the usual amount, some points reporting even less. Immediately along the middle St. Lawrence as far as Quebec there was an excess amounting to more than twenty-five per cent at many points. Another area of similar excess occurred on the south side of the lower River. North of the River in the St. Maurice and Saguenay regions there were areas of both excess and deficiency. In the Gaspe region and on the island of Anticosti there was a moderate deficiency but below Anticosti on the north shore there was an excess.

Precipitation was generally above the normal in New Brunswick, the excesses ranging from five to one hundred and forty per cent. The exceptions were scattered districts in the upper valley of the St. John River where the deficiencies ranged from twenty to thirty per cent.

In Nova Scotia along the southeastern shore of the Bay of Fundy and in Cape Breton Island the excess ranged from ten to sixty per cent.

Along the south and southwestern shore of Nova Scotia there was a deficiency of ten to thirty per cent while variable conditions obtained in Prince Edward Island. A forest fire hazard prevailed during the early part of the month.

A. J. CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Tm is the mean temperature of the current month.

BRITISH COLUMBIA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Sooke	76°	33°	1.2			Penticton	96°	33°	0.9			Revelstoke	90°	29°	1.6		
Port Alberni	89°	38°	1.9			Oliver	101°	38°	0.4	239		Quesnel	77°	29°	3.7		
Goldstream Lake			1.6			Summerland	96°	36°	0.9	252		Vancouver	80°	40°	2.0	198	59°
Shawnigan Lake	84°	32°	1.1			Vernon	93°	33°	1.3	264		Prince Rupert	63°	37°	6.3	54	50°
Duncan	88°	32°	1.3			Greenwood	95°	26°	1.6			Estevan Point			3.2		51°
Nanaimo	78°	39°	2.1	225		Kaslo	86°	33°	1.5		58°	Victoria	80°	41°	1.1	268	56°
Courtenay			2.0			Creston	95°	29°	1 6			Kamloops	91°	37°	1.0	232	60°
New Westminster	80°	40°	1.6			Cranbrook	98°	28°	0.7			Prince George	78°	29°	4.0	162	52°
White Rock	82°	39°	1.2			Fernie	97°	33°	3.0			Atlin			0.2		52°
Salmon Arm	92°	32°	1.3	230		Glacier	82°	25°	2.3								

ALBERTA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Beaverlodge	78°	31°	1.7	220	53°	Athabaska	88°	27°	3.7		54°
High Prairie	87°	30°	3.0		54°	Alsask	105°	32°	1.2		64°
Grouard	78°	30°	2.6		55°	Coalspur	80°	15°	3.8		47°
Slave Lake	79°	35°	3.0		54°	Anthracite	87°	24°	1.8		54°
Entrance	84°	23°	2.1		53°	Elmworth	79°	24°	2.9		53°
Wabamun			4.0			Mountain View			1.4		
Stettler	92°	32°	2.2		59°	Beaver Mines			0.5		
Olds	0°	29°	1.4		57°	Lougheed			3.0		
Hillsdown	92°	32°	2.0		59°	Lyndon			0.6		
Strathmore	96°	29°	1.1		60°	Hanna			0.8		
Vulcan			0.6			Ponoka			1.4		
Macleod	98°	38°	0.8		64°	Foremost			3.7		
Coleman			1.3			Cardston			1.1		
Cowley			0.7			Empress			1.0		
Exshaw	85°	29°	1.4		55°	Drumheller			1.3		
Winnifred			1.6			Coronation			1.3		
Seven Persons			1.4			Red Deer			4.5		
Lake Louise	82°	19°	1.9		49°	Vegreville			1.8		
Calmar	86°	28°	5.7		56°	Fairview	76°	30°	3.2	151	52°
Brooks	99°	35°	1.5		64°	Edmonton	90°	32°	3.4	228	58°
Harmattan	90°	25°	1.2		56°	Calgary	92°	35°	1.1	319	59°
Jenner	103°	33°	1.0		64°	Medicine Hat	104°	37°	2.1		67°

SASKATCHEWAN

St. Walburg	88°	27°	1.9		58°	Wapashoe			2.8		
Battleford	100°	34°	2.1		62°	Caron	103°	30°	2.7		66°
Prongua			1.9			Gravelbourg	104°	29°	2.1		66°
Lloydminster	90°	36°	2.7		59°	Strongfield			2.6		
Waseca	87°	33°	3.2		59°	Francis	99°	33°	3.8		66°
Macklin	98°	32°	1.1		62°	Midale	99°	34°	1.4		66°
Scott	102°	31°	1.8	286	61°	Yellow Grass	99°	36°	3.4		66°
Saskatoon	103°	34°	0.9		63°	Ceylon			2.0		
Muenster	92°	29°	1.8		61°	Carlyle	102°	31°	1.6		65°
Biggar	102°	35°	1.2		65°	Indian Head	98°	33°	3.2	229	64°
Harris	104°	34°	1.1		65°	Whitewood	94°	31°	4.0		62°
Outlook	106°	39°	0.9		67°	Lumsden	103°	33°	2.6		68°
Rosetown	104°	33°	1.5		64°	Kamsack	99°	31°	4.3		64°
Marquis			2.4			Grenfell	98°	33°	3.0		65°
Davidson	101°	37°	1.9		64°	Pilger	94°	36°			63°
Nokomis	100°	34°	2.3		63°	Lintlaw	93°	30°	4.4		62°
Qu'Appelle	97°	31°	2.6	288	64°	Hubbard	95°	32°	2.9		62°
Regina	100°	31°	2.8		64°	Nipawin	91°	37°	2.0		62°
Moose Jaw	102°	35°	2.9	325	67°	Kindersley	105°	37°	1.3		66°
Swift Current	103°	31°	2.9	326	62°	Meadow Lake	90°	39°	3.4		62°
Assiniboia	102°	27°	3.1		66°	Maskakee Springs	99°	32°	1.8		64°
Shaunavon	102°	33°	4.2		65°	Rockglen			2.1		
Lidgett			2.2			Turtleford	88°	28°	2.5		56°
Maple Creek	103°	32°	2.6		66°	Humboldt	96°	34°	1.1		65°
Nashlyn	104°	32°	3.2		64°	Prince Albert	92°	36°	2.2		57°
Climax			3.5			Aneroid	103°	32°	2.4		
Leader	106°	35°	1.1		66°	Cadillac	103°	30°	4.4		
Pennant	106°	35°	1.7		67°	Leitchville			4.1		
Chaplin	102°	38°	1.7		66°						

MANITOBA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Birtle	97°	30°	2.7			Cypress River	100°	37°	0.5		68°
Brandon	101°	34°	0.9	258		Waskada	102°	34°	0.8		68°
Treesbank (St. Albans)	103°	37°	0.6			Rapid City	99°	32°	1.4		65°
Treherne	100°	38°	0.6		69°	Pierson	101°	31°	1.0		67°
Morden	105°	40°	1.0	294	75°	Russell	100°	30°	1.7		64°
(Experimental Farm)						Sprague	94°	32°	1.4		66°
Morden	99°	41°	0.9			Great Falls	98°	37°			68°
Morris	98°	47°	1.2		71°	Pinawa	90°	33°	1.0		65°
Graysville	98°	38°	0.3		68°	Dauphin	102°	39°	1.8		67°
Le Pas	94°	38°	1.5		64°	Bissett	104°	33°	2.7		69°
Minnedosa	97°	33°	2.7		65°	Hamiota	100°	33°	1.7		66°
Winnipeg	97°	35°	1.0		68°	Portage la Prairie	100°	40°	0.6		70°
Virden	104°	36°	2.5		68°						

ONTARIO

Kenora	94°	41°	2.2		68°	Alton	96°	36°	1.2		68°
Sioux Lookout	98°	34°	1.8		65°	London	94°	34°	4.5		67°
Quorn	100°	27°	2.4			Woodstock	96°	36°	1.3	297	68°
Port Arthur	87°	38°	2.0		60°	Brucefield	95°	38°	1.4		67°
Timmins	92°	32°	1.4		62°	Paris	98°	42°	2.2		70°
Cochrane	90°	30°	1.1	200	60°	Simcoe	98°	34°	2.4		69°
Haileybury	92°	35°	1.6	293	64°	Harrow	98°	44°	0.7	323	74°
Ruel	92°	30°	1.0		62°	Georgetown	94°	33°	2.4		
White River	97°	24°	2.2		61°	Toronto	92°	43°	1.8	295	68°
Chapleau	97°	30°	1.7		67°	Bloomfield	104°	34°	1.8		
Bear Island	85°	37°	2.2			Peterboro'	94°	38°	2.1		
Madawaska	92°	28°	3.2		61°	Queensboro'	95°	34°	2.5		67°
Providence Bay	85°	35°	1.6			Fenelon Falls			3.0		
Parry Sound	89°	41°	2.9		64°	Kingston	88°	40°	1.9	300	66°
Southampton	90°	40°	1.0		62°	Brockville	91°	40°	1.4	335	67°
Lucknow	95°	39°	1.3			Morrisburg	95°	35°	1.1		
Beatrice	92°	32°	2.4		62°	Ottawa	97°	44°	1.7		68°
Walkerton	99°	38°	1.8		68°	Ottawa (Exp. Farm)	93°	37°	2.4	307	66°
Mount Forest	95°	35°	0.9	227	65°	Renfrew	94°	36°	1.3		64°
Scotia Junction	88°	32°	1.8		63°	Pembroke	96°	37°	2.7		68°
Barrie	92°	38°	2.0	199	64°	Clontarf	94°	33°	1.2		65°
Beeton	98°	36°	1.5		62°						

QUEBEC

Cedars	94°	40°	1.2		67°	Mont Laurier	93°	34°	0.8		64°
Macdonald College	94°	42°	0.9		67°	St. Joachim	88°	37°	1.1	272	63°
Montréal	94°	45°	1.7	272	68°	Donnacona	93°	35°	2.9	210	63°
Farnham	94°	33°	1.0	270	65°	Québec	92°	38°	5.9	241	64°
Brome	92°	31°	0.8			Cap Rouge	92°	36°	3.3	228	63°
Lennoxville	93°	29°	2.0	277	64°	Ste. Anne de la Pocatiére	92°	40°	3.2	243	58°
Sherbrooke	95°	34°	1.8	280	65°	Roberval	93°	34°	1.2		61°
Beauceville	95°	32°	1.0		66°	Albanel	91°	32°	3.7	252	57°
Sorel	94°	38°	6.6		66°	La Ferme	85°	31°	2.1	274	59°
Lake Mégantic	92°	35°	4.9		60°	Abitibi	90°	30°	0.8		64°
Drummondville	95°	32°	3.6		63°	Doucet	90°	21°	2.8	264	56°
Nicolet	93°	40°	4.1		65°	Sanmaur	92°	24°	4.0	156	58°
St. Gabriel de Brandon	88°	37°	2.5			Dolbeau	92°	32°	3.2		59°
Joliette	98°	38°	3.4			Harrington Harb'r			4.4		46°
Huberdeau	94°	33°	1.4		63°	Anticosti S.W. Pt.			2.2		48°
Maniwaki	92°	33°	1.3	318	64°						

ATLANTIC PROVINCES

Saint John	80°	40°	5.1	220	57°	Woodstock	89°	32°	3.5		61°
Aroostook	89°	30°	4.5		60°	Halifax	83°	36°	3.3		59°
Bathurst	86°	35°	6.0		58°	Annapolis Royal	73°	29°	2.8		
Chatham	87°	35°	6.8		61°	Digby	80°	41°	4.4		59°
Chipman	86°	30°	4.8		61°	Kentville	86°	34°	3.1	194	61°
Edmundston	88°	38°	3.6		60°	(Experimental Farm)					
Fredericton	84°	37°	3.9	254	61°	Liverpool	87°	31°	3.0		59°
(Experimental Farm)						Nappan	81°	34°	4.6	219	59°
Gagetown	85°	36°	2.5		62°	(Experimental Farm)					
Grand Falls	83°	32°	2.9		60°	Sydney	85°	35°	4.4		57°
Harvey	83°	38°	4.8		61°	Upper Stewiacke	87°	31°	3.0		59°
Moncton	85°	31°	4.6		59°	Wolfville	84°	38°	3.4	223	60°
Musquash	86°	33°	5.8		57°	Yarmouth	80°	38°	2.0		59°
McAdam Junction	86°	37°	3.9		61°	Charlottetown	83°	38°	2.4		58°
Richibucto	85°	33°	4.9		60°	Charlottetown	81°	36°	3.6	243	59°
Sussex	88°	32°	3.2		62°	(Experimental Farm)					

-2°
+2°
+2°
+2°
+4°
+6°
+6°
+2°
+4°
+2°
Houghton
Marquette
Escanaba
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Detroit
Chicago
Toledo
Cleveland
Erie
La Salle
Ft. Wayne
Pittsburg
Harrisburg
Philadelphia
Scranton
New York
Binghampton
New Haven
Block I.
Nantucket
Boston
Concord
Albany
Syracuse
Oswego
Rochester
Buffalo
Northfield
Portland
Sable I.
Lake Michigan
Lake Huron
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

CE, DOMINION OF CANADA.
R MAP
1933
mperature, and total precipitation of the month.
Ellesmere Island
Ponds Inlet
Godhaven
Angmagssalik
Godthaab
Julianehaab
Pangnirtung
Nottingham I.
Cape Wolstenholme
Wakeham
Hopes Advance
Resolution
Fort Burwell
-2°
+2°
-4°
-6°
90°
85°
80°
75°
70°
65°
60°
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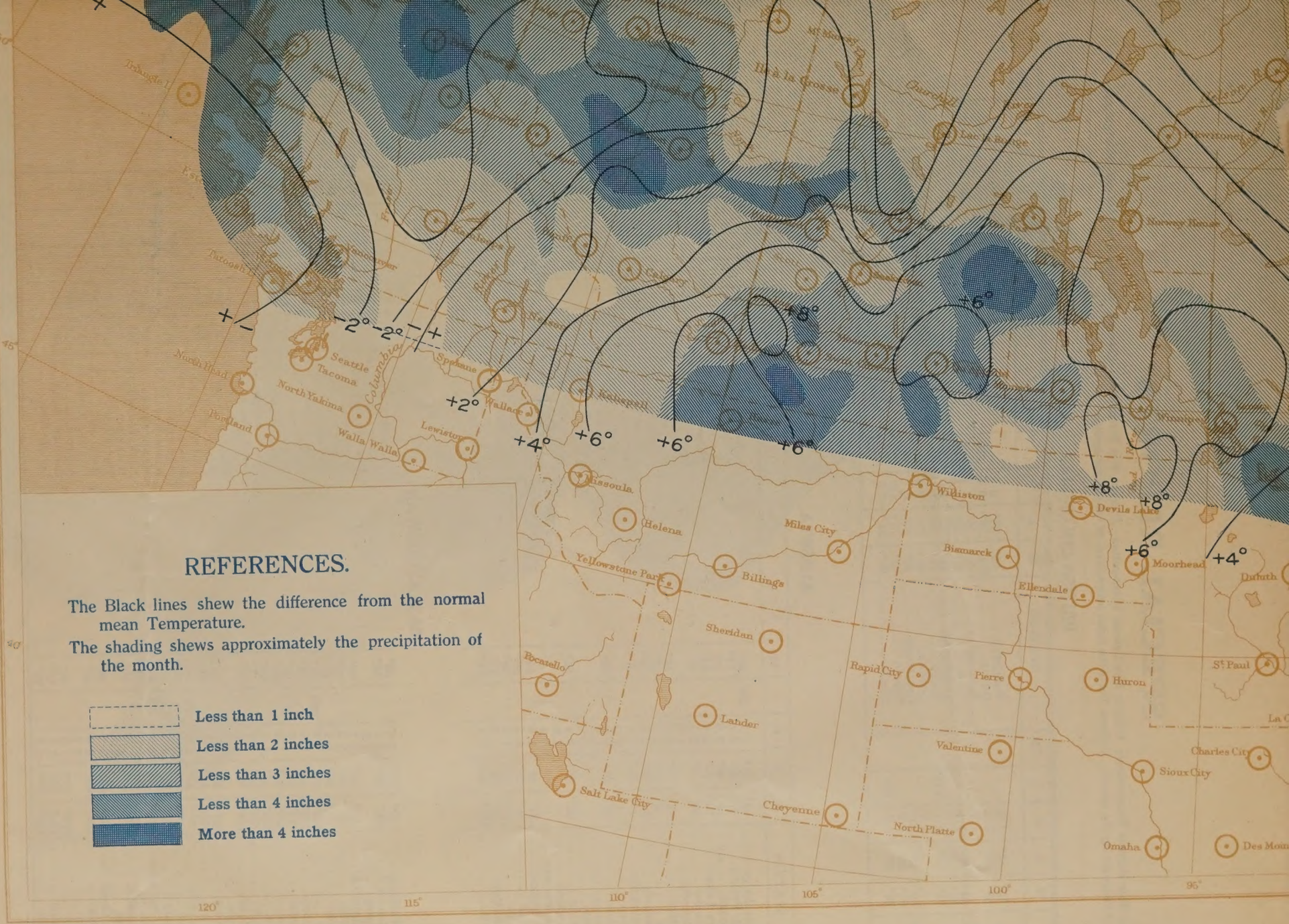

REFERENCES.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches

METEOROLOGICAL SERVIC
WEATHE
JUNE,
Chart shewing the difference from normal mean t
-6°
-4°
-2°
+
-
Herschell I.
Fort Yukon
Aklavik
McPherson
Eagle
Dawson
Good Hope
Coppermine
Cambridge Bay
Norman
Mackenzie River
Arlin
Simpson
Great Slave Lake
Hay River
Fort Smith
Height of Land
Peace River
Chipewyan
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°